

Application S/N 09/787328
Amendment and Response dated October 26, 2004
Response to Office Action dated July 26, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

Claim 1 (previously presented): An isolated DNA molecule comprising a nucleotide sequence encoding a polypeptide comprising an amino acid sequence of SEQ ID NO: 4.

Claim 2 (previously presented): The DNA molecule of Claim 1 wherein said nucleotide sequence encodes a polypeptide consisting of an amino acid sequence of SEQ ID NO: 4.

Claim 3 (original): The DNA molecule of Claim 1 wherein said nucleotide sequence comprises the nucleotide sequence of nucleotides 121-732 in SEQ ID NO: 3.

Claims 4-5 (canceled)

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Claim ~~6~~ (original): A vector containing the DNA sequence of Claim 1.

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Claim ~~7~~ (previously presented): An isolated host cell transformed by the vector of Claim

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Claim ~~8~~ (previously presented): The host cell of claim ⁵~~7~~ which is *E. coli*.

⁷
Claim ~~9~~ (previously presented): The host cell of claim ⁵~~7~~ which is an eukaryotic cell.

⁸
Claim ~~10~~ (currently amended): A method for producing HDGF2 human Hepatoma-derived growth factor-2 (HDGF2) protein, which comprises the steps of:

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(a) forming an expression vector comprising the nucleotide sequence encoding HDGF2 protein comprising the amino acid sequence of SEQ ID NO: 4, wherein said nucleotide sequence is operably linked with ~~an~~ a vector expression regulatory sequences;

(b) introducing the vector of step (a) into a host cell, thereby forming a recombinant host cell ~~ef for producing~~ HDGF2 protein;

(c) culturing the recombinant cell of step (b) under the conditions suitable for expression of HDGF2 protein; and

(d) isolating the HDGF2 protein.

⁹
Claim ~~11~~ (original): The method of Claim ⁸~~10~~ wherein said nucleotide sequence comprises nucleotides 121-732 of SEQ ID NO: 3. ⁹
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Claims 12-15 (canceled)